



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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<b>(21) International Application Number:</b> PCT/DK00/00037 <b>(22) International Filing Date:</b> 28 January 2000 (28.01.00) <b>(30) Priority Data:</b> PA 1999 00105 28 January 1999 (28.01.99) DK PA 1999 00144 4 February 1999 (04.02.99) DK <b>(71) Applicant (for all designated States except AU BR CA CN GB IE IN MX NZ SG US):</b> LEGO A/S [DK/DK]; Aastvej 1, DK-7190 Billund (DK). <b>(71) Applicant (for AU BR CA CN GB IE IN MX NZ SG only):</b> INTERLEGO AG [CH/CH]; Neuhofstrasse 21, CH-6340 Baar (CH). <b>(72) Inventors; and</b> <b>(75) Inventors/Applicants (for US only):</b> DOOLEY, Mike [US/US]; 126 East Bluegill Lane, Suffield, CT 06078 (US). MUNCH, Gaute [DK/DK]; Granslevbyvej 19, DK-8870 Langå (DK). RASMUSSEN, Jesper [DK/DK]; Thit Jensen Vej 37, DK-7182 Bredsten (DK). <b>(74) Agent:</b> HOFMAN-BANG A/S; Hans Bekkevolds Allé 7, DK-2900 Hellerup (DK).		<b>(81) Designated States:</b> AE, AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), DM, EE, EE (Utility model), ES, FI, FI (Utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (Utility model), SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).  <b>Published</b> <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> <i>In English translation (filed in Danish).</i>
<b>(54) Title:</b> A REMOTE CONTROLLED TOY  <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p><b>pulse pattern from apparatus (sound)</b></p> </div> <div style="text-align: center;"> <p><b>Respond pulse pattern from user (light)</b></p> </div> </div> <div style="text-align: center; margin-top: 10px;"> <b>code recognition</b> </div> <div style="margin-top: 10px;"> <b>t1: 0.3 s</b>  <b>t2: 1.2 s</b>  <b>T: 10 s</b>  <b>d: +/- 50%</b> </div>		
<b>(57) Abstract</b>  <p>A remote controlled apparatus (4), e.g., a remote controlled toy, for remote control from a remote control unit, e.g., a pocket torch (2). The apparatus is characterized in that it is adapted to respond to a sequence of light pulses which have a frequency of repetition that is lower than the maximum frequency which a human being can produce manually, e.g., by alternately turning the torch on and off. In a special embodiment, after a received sequence of light pulses, the apparatus is adapted to emit an acoustic acceptance signal by means of sound generator (15).</p>		

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